



ALAMEDA COUNTY  
CONGESTION MANAGEMENT AGENCY

1333 BROADWAY, SUITE 220 • OAKLAND, CA 94612 • PHONE: (510) 836-2560 • FAX: (510) 836-2185  
E-MAIL: mail@accma.ca.gov • WEB SITE: accma.ca.gov

*Agenda Item 5.2  
January 12, 2009*

**Memorandum**

**DATE:** December 16, 2008  
**TO:** Administration and Legislation Committee  
**FROM:** Bijan Yarjani, Ph.D., Project Manager  
**SUBJECT:** San Pablo Rapid Bus Stop Improvements Project Status Update

**Action Requested:**

The CMA's adopted Construction Administration Guide requires that a quarterly construction status report be provided to the Administration and Legislation Committee. It is recommended that the Committee review and approve the attached Construction Contract Progress Report for activities through December 31, 2008.

**Discussion:**

The Alameda County CMA, in association with AC Transit, has secured a total of \$2,815,047 in Measure B funds to plan, design and deploy the San Pablo Rapid Bus Stop Improvement Project. This project will provide improvements to 20 bus stops (10 intersections) along the San Pablo Avenue Corridors in the Cities of Oakland and Berkeley in Alameda County. The bus stops will be used for the Rapid Bus line on San Pablo Avenue. Other improvements will include streetscape enhancements, signals, crosswalks and other amenities.

The project also included plans for the installation of decorative crosswalk treatments at eight intersections in the Cities of Berkeley and Oakland. The decorative crosswalk treatment design was based on information provided by the City of Berkeley in November 2005. After completion of the geotechnical report, it was anticipated that the contractor would encounter significant conflicts with existing utilities, underground water table and contaminated soils due to aerially deposited lead from many years of highway use.

As a consequence, the ACCMA is working with staff from Caltrans, the Cities of Oakland, Berkeley, AC Transit and ACTIA to re-evaluated the decorative crosswalk treatments option. It was determined that it was not feasible to construct the concrete pavement section recommended

by the geotechnical engineer or to provide the integrally colored asphalt pavement within the existing funds. Therefore, it was decided to delete the decorative crosswalk treatment from the current contract for the amount of \$1,107,377.28 and to review alternative options for proceeding with construction of other improvements on San Pablo Avenue.

Through discussion with staff from both Cities and funding agencies, it was further agreed to use the available funds for the design and installation of Landscaped Median on San Pablo Avenue in the Cities of Oakland and Berkeley and the installation of curb bulb-outs at the intersections of San Pablo Avenue/West Grand Avenue and at San Pablo Avenue/Alcatraz Avenue in addition to other improvements in the City of Oakland.

**Financial Impact:**

The revenues and costs associated with this project have been incorporated in the CMA's currently approved budget and will be funded through Measure B funds. No change to the CMA's approved budget is required.



ALAMEDA COUNTY CONGESTION MANAGEMENT AUTHORITY  
Project No. 02-07

**San Pablo Avenue Corridor Transit Improvements**

Monthly Progress Report No. 6  
October through December, 2008

Prepared by:



TRS Consultants, Inc.  
Project No. 20241-05  
12/15/08

## San Pablo Avenue Corridor Transit Improvements

### ACCMA

Monthly Progress Report No 6  
October through December, 2008

### Project Description

The Project includes constructing and completing to various public access and transportation improvements along the San Pablo Avenue Corridor. These improvements will increase AC Transit efficiency and ridership in concert with their current SMART Corridor Program by providing new bus stop enhancements and pedestrian accessibility at 10 locations between the cities of Oakland and Albany and enhance the San Pablo corridor between said cities. New improvements are to include p.c.c. surface items such as new/modified pedestrian ADA compliant access ramps and sidewalk access improvements, colored asphalt intersection construction (crosswalk areas) at 8 locations, pedestrian signal and lighting attenuation upgrades, pedestrian lighting standards, new striping, minor median landscaping, bus shelter improvements, bus kiosk(s) placement and minor underground improvements.

### Project Participants

**Owner:**

Alameda County Congestion Management Agency (ACCMA)  
Alameda County Transportation Improvement Agency (ACTIA)  
Alameda County Transit (AC Transit)  
Metropolitan Transportation Commission (MTC)  
California Department of Transportation  
City's of Oakland, Emeryville, Berkeley and Albany

**Owners Representative:** Dr. Bijan Yarjani, Ph.D. (ACCMA) – Project Manager  
1333 Broadway, Suite 220  
Oakland, California 94612

**Engineer of Record/Architect of Record:**

Kimley Horn & Associates  
555 12<sup>th</sup> Street, Suite 1230  
Oakland, CA 94607

**Engineer of Record Representative:** Daniel Blomquist, PE - Project Engineer

**Contractor:**

Vanguard Construction, Inc.  
651 Enterprise Court  
Livermore, CA 94550

**Contractor Representative:** Jim Sposeto – Project Manager

**Construction Manager:**

TRS Consultants, Inc.  
5000 Executive Parkway, Suite 430  
San Ramon, CA 94583

**CM Representative:** Mike Schaaf, PE – Construction Manager  
Scott Goodwin, Inspector of Record

## Project Milestones

- Notice of Award : 7-26-07
- Project Re-Start Meeting : 2-5-08
- Notice to Proceed: 8/17/07  
2/21/08 (original revised)  
12/8/08 (Phase II)

Contract Working Days: 85 working days

First Working Day: February 25, 2008

Last Working Day: June 27, 2008 (calculated)

Last Working Day: July 15, 2008 (projected per cco and MOU)

Amended Last Working Day: January 14, 2009 (Phase II improvements)

Contract Award Amount:     \$ 1,902,282.28 (w/Add Alternate Bid items)  
                                     \$ 1,609,285 (w/o Add Alternate Bid Items)

## Construction Progress This Period

No construction activity occurred during the months of October and November as the temporary suspension in work was still in effect until final the plans and subsequent Engineer's Estimate for the pending Phase II p.c.c. transit improvements were completed and quote were accepted. Kimley-Horn provided final Phase II plans in mid-November for quotation purposes by the project contractor (Vanguard Construction) to which a negotiated cost agreement was reached on November 21, 2008. Subsequent to this, Contract Change Order No. 5 was written and costs were approved with a notice to proceed given by ACCMA.

Work under the provided Contract Change Order No. 5 was authorized and the contractor has now begun this work program with the first working day beginning on December 8, 2008 with an expected completion date of January 14, 2009. The work to be completed by the contractor under this period of time include all items pertaining to the approved Phase II improvements and all remaining original contract items work inclusive of final Punchlist; these items include remaining p.c.c. access ramps in Berkeley (3), tree grate and tree setting in Berkeley and final clean-up. All affected property owners have been notified and accepted written permission to enter their property to complete necessary portions of work under this phase. Additionally, AC Transit supervising personnel have been coordinated with in regards to pending project scheduling and temporary relocation of various bus stops that will be affected during specific portions of this work.

## Construction Issues

As the completion of remaining project work was hindered due to two issues involving: a) pending final decision on intersection improvements for the Cities of Oakland and Berkeley, and b) re-design of access ramps within the City of Berkeley to accommodate existing conditions in consideration to ADA requirements. These issues are now resolved and are being completed as of the date of this report.

In an effort to complete the project program within the prescribed funding allocation, it has been determined to proceed with "Phase III" improvements which entail the design and improvement of new median within the Cities of Oakland and Berkeley between 67<sup>th</sup> St. and Coulter St. Ongoing discussions have continued between the participatory agencies, inclusive of AC Transit to determine the viability of this additional work. Currently, the Cities of Oakland and Berkeley have agreed to the conceptual design as provided by Kimley-Horn. As noted, public hearings were completed by Oakland on 12/1 and Berkeley on 12/11/08. It is expected that design will be completed late January '09 at which time the draft plans can be forwarded to Caltrans District 4 Traffic Engineering for review since this work is jurisdictionally within State right of way. Upon expected Caltrans review time, the pending Phase III improvement plans should be available for construction in March '09. The current construction estimate as provided by the Project Engineer is \$350,000 for this work.

### **Anticipated Work Next Period**

The Contractor will complete all remaining items under the Phase II change order work, inclusive of the aforementioned remaining original contract items within the City of Berkeley. It is expected that this work will be completed by mid-January assuming no substantial weather impacts.

### **Project Meetings**

Various internal/external project management meetings have been held over the course of the past two months to determine the planned improvements as acceptable to all stakeholders and to negotiate the final price of the Phase II improvements.

### **Schedule**

The Contractor is required to complete all Phase II improvements and the remaining original contract work within 25 working days per Contract Change Order No. 5 beginning December 8, 2008.

### **Safety**

The Contractor and subcontractor conducted weekly safety meetings and TRS personnel are in continual communication with City, Caltrans and AC Transit personnel on public, traffic and/or pedestrian safety issues during the temporary suspension of contract work.

### **Request for Information / Clarification**

The Contractor has not submitted any new requests for information for this period (to date) bringing the total RFI's to date to eight. These were passed onto the Engineer of Record (Kimley Horn) and the affected agencies as appropriate who have responded to all of the requests.

### **Submittals**

The Contractor has provided 20 submittals to date.

## Change in the Work

### Change Notice

The CM/IOR has not issued any current Change Notices to the Contractor for pricing.

### Change Request (Engineer/Contractor Generated)

- CCO No 1- In response to various discussions between the Cities of Oakland and Berkeley (and Caltrans), the contractor was requested to provide quote(s) to provide a 2" colored asphalt pavement section for the pending intersection treatment in lieu of the planned colored p.c.c. intersection due to design, permitting and cost issues.
- CCO No 4 – It was determined that the contractor could not provide the required colored asphalt pavement as acceptable to the stakeholders, thus this change order deleted in its' entirety all intersection improvement in regards to the planned colored asphalt option.

### Contract Change Orders

CCO No. 1 was issued and approved on January 28, 2008.

CCO No. 4 was issued and approved July 2008

CCO No. 5 has been approved on 12/10/08

*Complete Change Orders are as follows (approved to date):*

|   |                 |
|---|-----------------|
| No. 2- Miscellaneous Improvements (lower domestic water service at 31 <sup>st</sup> , core-drill ac, Stanford SE ramp modifications | \$ 9,885.21     |
| No. 3- Vanguard administrative costs for ac intersection preparation/testing  | \$ 10,812.61    |
| No. 4- Delete asphalt intersection treatment  | -\$1,107,377.28 |
| No. 5- Phase II P.C.C. (Transit Improvements- City of Oakland only)   | \$ 410,872.50   |

### Disputes and Claims

None to date; however the contractor may ultimately claim up to 6 additional days of traffic control/maintenance due to final resolution of ramp re-design within the City of Oakland project limits. Nothing has been formally submitted to date.

### Construction Management

The Project Inspector of Record, Scott Goodwin has monitored the work on a daily basis throughout the previous construction period monitoring the punchlist work within Oakland and also dealing with field and administrative matters in coordination with both the Construction Manager and all affected local agencies and stakeholders to the project.

The materials testing laboratory, Signet Testing Labs, has provided ongoing support work including general materials inspection and testing, density testing and p.c.c. compression testing to date.

## Construction Schedule and Budget

The following is a breakdown of contract time and costs expended to date:

| Time                       | % Time     | Calendar Days |
|----------------------------|------------|---------------|
| Contract                   |            | 85            |
| CCO Extension              |            | 2             |
| <b>Total Contract Time</b> |            | <b>87</b>     |
| This Period                |            | 21            |
| Previous Total             |            | 66            |
| Total Time to Date         | <b>98%</b> | <b>19</b>     |
| <b>Balance Remaining</b>   | <b>2%</b>  | <b>2</b>      |

|                                |                               |
|--------------------------------|-------------------------------|
| Original Completion Date       | 25-Jun-08                     |
| CCO Extension # Days (pending) | 2                             |
| <b>Current Completion Date</b> | <b>15-Sept-08</b>             |
| <i>Planned Completion Date</i> | <i>17-Jul-08</i>              |
|                                | (per alt. design:<br>1/14/09) |

## Construction Expenditures and Budget – Vanguard Construction

|                         |                     |
|-------------------------|---------------------|
| Contract Bid Amount     | \$ 1,953,145        |
| Approved Change Orders  | -\$ 50,862.75       |
| Current Contract Amount | \$1,902,282.28      |
| Total Progress Payments | 46% \$ 1,426,228.00 |

| Progress Payments | w/o contingency     | w/cont. (Paid to Date) |
|-------------------|---------------------|------------------------|
| 1                 | \$181,008.00        | \$166,157.20           |
| 2                 | \$ 89,596.33        | \$81,136.70            |
| 3                 | \$151,620.00        | \$138,208.00           |
| 4                 | \$ 88,495.00        | \$ 81,395.50           |
| 5a                | \$ 5,265.00         | \$ 4,738.50            |
| 5b                | <u>\$155,340.00</u> | <u>\$ 141,806.00</u>   |
| Total:            | \$671,324.33        | Total: \$613,441.90    |

**Remaining Construction Budget (encumbered) 64.7% \$ 1,230,958.00**

| Change Orders in Process/Approved as of 11/30/08 | Day's | Revised Contract |
|--|-------|------------------|
| 1 -\$50,862.75 approved                          | 0     | \$1,902,282.28   |
| 2 \$ 9,885.21 pending                            | 2     | \$1,912,167.46   |
| 3 \$ 10,812.61 pending                           | 0     | \$1,922,980.07   |
| 4 <u>-\$ 1,107,377.28</u> pending                | 0     | \$ 815,602.79    |
| Estimated Remaining Budget:                      |       | \$ 815,602.79    |



## Construction Management Contract Budget

Following is a breakdown of the TRS Consultants Inc. budget to date:

| Task Order             | %Complete | Budget               |
|------------------------|-----------|----------------------|
| T O 1                  | 100%      | \$ 50,000.00         |
| Contract               |           | \$ 98,162.34         |
| <b>Contract Budget</b> |           | <b>\$ 148,162.34</b> |
| Amendments             |           | \$ -                 |
| <b>Current Budget</b>  |           | <b>\$ 148,162.34</b> |

|                       |      |               |
|-----------------------|------|---------------|
| <b>Total Invoiced</b> | 100% | \$ 148,060.24 |
|-----------------------|------|---------------|

|        |    |              |
|--------|----|--------------|
| 27-464 | 1  | \$ 3,361.56  |
| 27-478 | 2  | \$ 3,975.00  |
| 27-517 | 3  | \$ 4,382.50  |
| 27-542 | 4  | \$ 9,170.00  |
| 27-582 | 5  | \$ 790.00    |
| 27-632 | 6  | \$ 1,305.00  |
| 28-328 | 7  | \$ 3,480.00  |
| 28-366 | 8  | \$ 9,095.00  |
| 28-397 | 9  | \$ 26,340.55 |
| 28-422 | 10 | \$ 29,155.58 |
| 28-456 | 11 | \$ 22,205.00 |
| 28-486 | 12 | \$ 26,979.95 |
| 28-533 | 13 | \$ 7,820.00  |

|                           |    |           |
|---------------------------|----|-----------|
| <b>Balance Remaining*</b> | 0% | \$ 102.10 |
|---------------------------|----|-----------|

\* banked hours for inspection: 94 hrs

|                        |         |
|------------------------|---------|
| Work Done Not Invoiced | \$ 0.00 |
|------------------------|---------|

|                   |    |           |
|-------------------|----|-----------|
| Estimated Balance | 0% | \$ 102.10 |
|-------------------|----|-----------|

***This page intentionally left blank.***